

Abstract

A recording medium containing content stream data recorded thereon, a recording apparatus, and a reproducing apparatus thereof. A stream object having at least one stream object unit (SOBU) is recorded on the recording medium, one or
5 more stream packs (S_PCK), which stand in a row and in each of which content stream data is recorded, are assigned to the stream object unit (SOBU) after divided into a predetermined size, and each of the stream packs contains an application packet (A_PKT) packing an application time stamp (ATS) and content stream data. Here, each of the SOBUs, excluding the SOBUs containing stuffing packets and the
10 last SOBU, contains at least two entire ATSs. By doing so, the incremental application packet arrival time (IAPAT) of each of all the SOBUs can be correctly obtained, and therefore program search referring to a mapping list can be smoothly performed without error.